AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (original): A fiber module comprising:

a package having a structure which allows sealing of an inside of the package; and an optical fiber having a cladding, first and second ends, and a predetermined length, and being fixed to said package in such a manner that the first end of the optical fiber appears inside the package;

wherein said cladding is exposed in a vicinity of the second end, and the optical fiber other than a portion of the cladding in said vicinity is coated with at least one of a metal and an inorganic material.

2. (original): A fiber module comprising:

a package having a structure which allows sealing of an inside of the package; and an optical fiber having a cladding, first and second ends, and a predetermined length, and being fixed to said package in such a manner that the first end of the optical fiber appears inside the package;

wherein said cladding is exposed in the vicinities of the first and second ends, and the optical fiber other than a portion of the cladding in said vicinities is coated with at least one of a metal and an inorganic material.

- 3 (original): A fiber module according to claim 1, wherein the package is hermetically sealed by flux free solder, an adhesive that does not contain Si organic materials, by fusion, or by welding.
- 4. (original): A fiber module according to claim 2, wherein the package is hermetically sealed by flux free solder, an adhesive that does not contain Si organic materials, by fusion, or by welding.
- 5. (original): A fiber module according to claim 1, wherein the interior of the package is filled with an inert gas.
- 6. (original): A fiber module according to claim 2, wherein the interior of the package is filled with an inert gas.
- 7. (original): A fiber module according to claim 5, wherein the inert gas includes at least one of a halogen gas, a halide gas, and oxygen at a concentration of 1PPM or greater.
- 8. (original): A fiber module according to claim 6, wherein the inert gas includes at least one of a halogen gas, a halide gas, and oxygen at a concentration of 1PPM or greater.
 - 9. (original): A fiber module according to claim 1, further comprising:

light emitting elements and/or light receiving elements; wherein

the light emitting elements and/or the light receiving elements are optically connected to an end of the optical fiber.

10. (original): A fiber module according to claim 2, further comprising:

light emitting elements and/or light receiving elements; wherein

the light emitting elements and/or the light receiving elements are optically connected to an end of the optical fiber.

11. (original): A fiber module according to claim 9, wherein said package contains, a plurality of semiconductor lasers, for emitting a plurality of laser beams, provided as said light-emitting elements,

a plurality of collimator lenses which collimate the plurality of divergent laser beams emitted from the plurality of semiconductor lasers, respectively, and

a condensing lens which condenses the collimated laser beams, and makes the collimate laser beams converge on an end face of a core of the optical fiber at said first end.

12. (original): A fiber module according to claim 10, wherein said package contains, a plurality of semiconductor lasers, for emitting a plurality of laser beams, provided as said light-emitting elements,

a plurality of collimator lenses which collimate the plurality of divergent laser beams emitted from the plurality of semiconductor lasers, respectively, and

a condensing lens which condenses the collimated laser beams, and makes the collimate laser beams converge on an end face of a core of the optical fiber at said first end.

- 13. (original): A fiber module according to claim 11, wherein the semiconductor lasers are one of:
 - a plurality of single cavity semiconductor laser elements aligned in an array;
 - a single multi cavity semiconductor laser element;
 - a plurality of multi cavity semiconductor laser elements aligned in an array; and
- a combination of single cavity semiconductor laser elements and multi cavity semiconductor laser elements.
- 14. (original): A fiber module according to claim 12, wherein the semiconductor lasers are one of:
 - a plurality of single cavity semiconductor laser elements aligned in an array;
 - a single multi cavity semiconductor laser element;
 - a plurality of multi cavity semiconductor laser elements aligned in an array; and
- a combination of single cavity semiconductor laser elements and multi cavity semiconductor laser elements.

- 15. (original): A fiber module according to claim 11, wherein said plurality of semiconductor lasers have an oscillation wavelength of 350 to 500 nm.
- 16. (original): A fiber module according to claim 12, wherein said plurality of semiconductor lasers have an oscillation wavelength of 350 to 500 nm.
- 17. (original): A fiber module according to claim 13, wherein said plurality of semiconductor lasers have an oscillation wavelength of 350 to 500 nm.
- 18. (original): A fiber module according to claim 14, wherein said plurality of semiconductor lasers have an oscillation wavelength of 350 to 500 nm.
- 19. (original): A method for producing a fiber module which includes a first optical fiber having a cladding, first and second ends, and a predetermined length, comprising the steps of:
 - (a) exposing a portion of said cladding in a vicinity of the second end, and coating the first optical fiber other than said portion with at least one of a metal and an inorganic material;
 - (b) fixing said first optical fiber to a package having a structure which allows sealing of an inside of the package, in such a manner that the first end of the first optical fiber appears inside the package;

- (c) degassing the inside of the package; and
- (d) hermetically sealing the package.
- 20. (original): A method for producing a fiber module which includes a first optical fiber having a cladding, first and second ends, and a predetermined length, comprising the steps of:
- (a) exposing a portion of said cladding in a vicinity of the second end, and coating the first optical fiber other than said portion with at least one of a metal and an inorganic material;
- (b) fixing said first optical fiber to a package containing either light-emitting elements or light-receiving elements and having a structure which allows sealing of an inside of the package, in such a manner that the first end of the first optical fiber appears inside the package, and said first optical fiber is optically coupled to said at least one of light-emitting elements and light-receiving elements at said first end;
- (c) degassing the inside of the package; and
- (d) hermetically sealing the package.
- 21. (original): A method according to claim 19, further comprising the step of coupling said second end of the first optical fiber to a second optical fiber being coated with a resin and having a predetermined length, after said step (d).

- 22. (original): A method according to claim 20, further comprising the step of coupling said second end of the first optical fiber to a second optical fiber being coated with a resin and having a predetermined length, after said step (d).
- 23. (original): A method according to claim 21, further comprising the step of at least partially reinforcing a portion of the fiber module between a wall of the package and the second optical fiber by using a reinforcing member.
- 24. (original): A method according to claim 22, further comprising the step of at least partially reinforcing a portion of the fiber module between a wall of the package and the second optical fiber by using a reinforcing member.
- 25. (new): The fiber module according to claim 1, wherein the optical fiber, coated with the at least one of a metal and an inorganic material, other than the portion of the cladding in said vicinity, has a length of 100mm.
- 26. (new): The fiber module according to claim 1, wherein a portion of the optical fiber located outside said package has a length greater than or equal to 65mm and less than or equal to 75mm.

- 27. (new): The fiber module according to claim 1, wherein the vicinity of the second end having cladding exposed has a length of 40 mm.
- 28. (new): The fiber module according to claim 1, wherein the vicinity of the second end having cladding exposed has a length of greater than or equal to 2mm and less than or equal to 40 mm.
- 29. (new): The fiber module according to claim 1, wherein the optical fiber has a length of 140mm or less.
- 30. (new): The fiber module according to claim 2, wherein the optical fiber, coated with the at least one of a metal and an inorganic material, other than the portion of the cladding in said vicinities, has a length of 100mm.
- 31. (new): The fiber module according to claim 2, wherein a portion of the optical fiber located outside said package has a length greater than or equal to 65mm and less than or equal to 75mm.
- 32. (new): The fiber module according to claim 2, wherein the vicinity of the second end having cladding exposed has a length of 40 mm.

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- 33. (new): The fiber module according to claim 2, wherein the vicinity of the second end having cladding exposed has a length of greater than or equal to 2mm and less than or equal to 40 mm.
- 34. (new): The fiber module according to claim 2, wherein the optical fiber has a length of 140mm or less.
- 35. (new): The method according to claim 19, wherein said first optical fiber, other than said exposed portion, coated with the at least one of a metal and an inorganic material, has a length of 100mm.
- 36. (new): The method according to claim 19, wherein a portion of said first optical fiber located outside said package has a length greater than or equal to 65mm and less than or equal to 75mm.
- 37. (new): The method according to claim 19, said exposed portion of said cladding in the vicinity of the second end has a length of 40 mm.

- 38. (new): The method according to claim 19, said exposed portion of said cladding in the vicinity of the second end has a length of greater than or equal to 2mm and less than or equal to 40 mm.
- 39. (new): The method according to claim 19, wherein said first optical fiber has a length of 140mm or less.
- 40. (new): The method according to claim 20, wherein said first optical fiber, other than said exposed portion, coated with the at least one of a metal and an inorganic material, has a length of 100mm.
- 41. (new): The method according to claim 20, wherein a portion of said first optical fiber located outside said package has a length greater than or equal to 65mm and less than or equal to 75mm.
- 42. (new): The method according to claim 20, said exposed portion of said cladding in the vicinity of the second end has a length of 40 mm.
- 43. (new): The method according to claim 20, said exposed portion of said cladding in the vicinity of the second end has a length of greater than or equal to 2mm and less than or equal to 40 mm.

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44. (new): The method according to claim 20, wherein said first optical fiber has a length of 140mm or less.